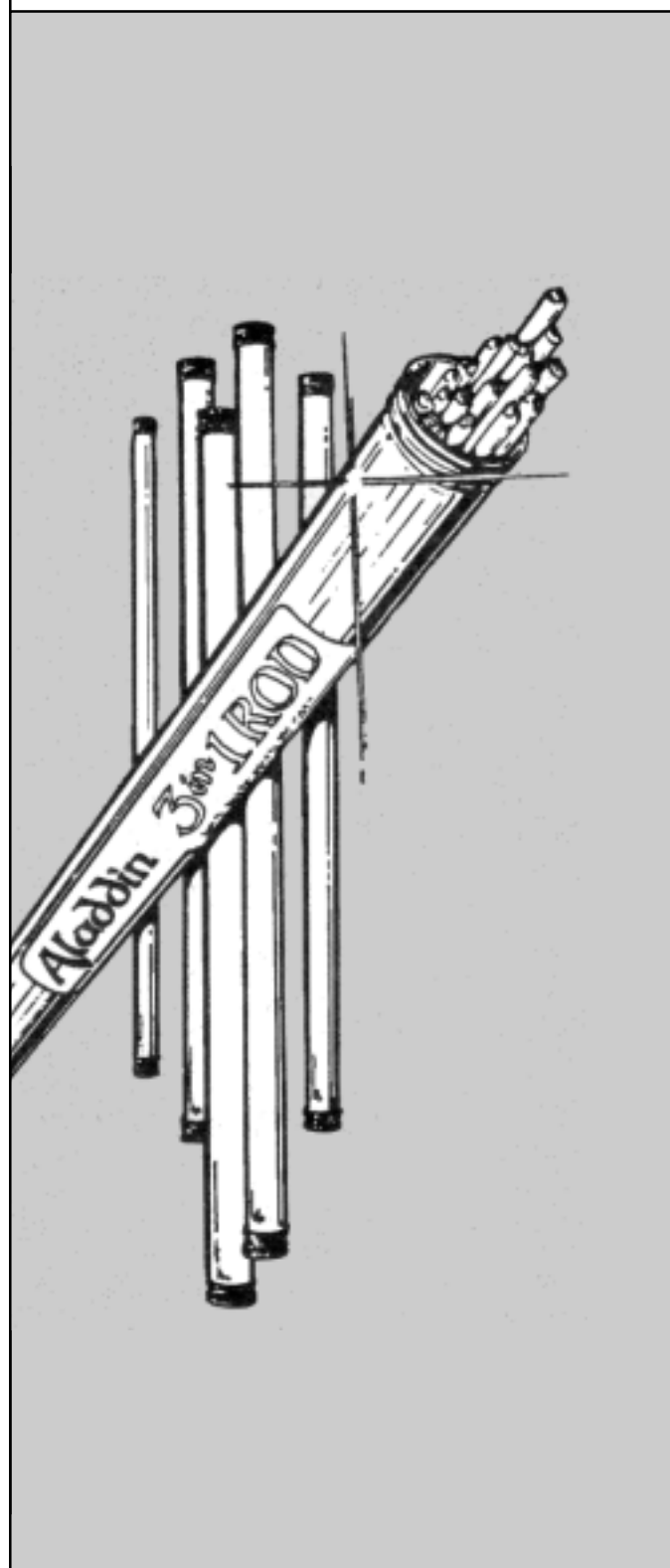


**3 in 1  
ROD**

**Aladdin**  
Welding Products



## #31 Aladdin 3-in-1 Rod

- No Flux Required
- Welds Zinc Base Metals
- Brazes Aluminum
- Solders Galvanized Metal Without The Use of Flux
- High Quality Virgin Metal
- 390° C (732° F) Melting Point

**Uses:** Repair kirksite dies, power tools, aluminum radiators, propellers, castings, lower units, hardware accessories, boat hulls and many more uses.

### 1 LB. TUBE

Part No.	Size	Description
31-18	1/8"	3-in-1 Rod
31-32	3/32"	3-in-1 Rod
31-16	1/16"	3-in-1 Rod
31-132	1/32"	3-in-1 Rod
31-532	5/32"	3-in-1 Rod
31-316	3/16"	3-in-1 Rod
31-14	1/4"	3-in-1 Rod

18" Standard Length - Available in 36"

### ASSORTED PACKAGE

Includes (1) 1/4", (2) 3/16", (3) 5/32", (4) 3/32", (5) 1/16", (Balance) 1/8"

Part No.	Description
31-ASST	Assorted Package 3-1 Rod

### TRIAL PACKAGE

Includes 1 each - 3/16", 1/8", 1/16"

Part No.	Description
31-TP	Trial Package 3-1 Rod

## #51 Aluminum Brazing Kit

- Braze Aluminum
- Weld Zinc Base Metals Without The Use of Flux
- Includes 1/2 pound 1/8" 3-1 Rod with #48 stainless steel tinning brush

Part No.	Description
51-K	Aluminum Brazing Kit

# Aladdin

Welding Products

LOW  
MELT

## #33 Low-Melt Aluminum Solder

60% Tin / 40% Zinc

Solder aluminum by rubbing on bare aluminum. Produces excellent results when used with Aladdin #585 Super Soldering Flux for joining aluminum to dissimilar metals such as copper, steel, brass, galvanized metal, stainless steel and monel metal.

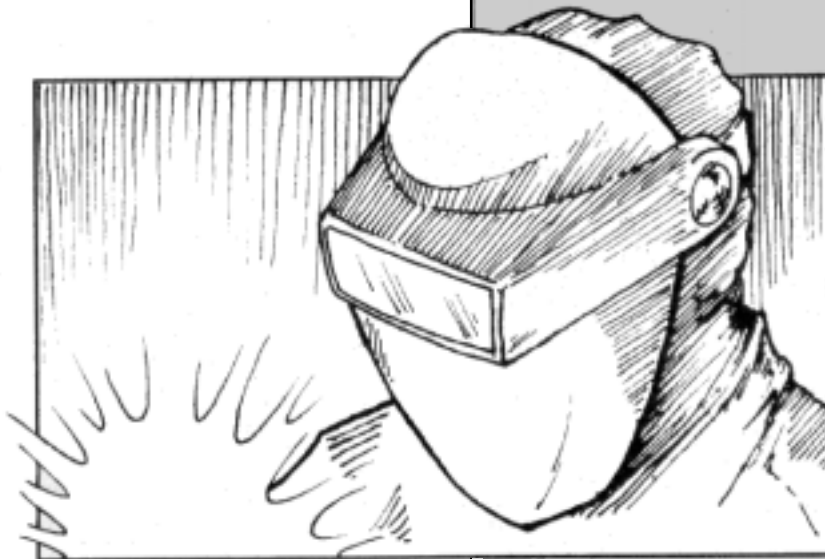
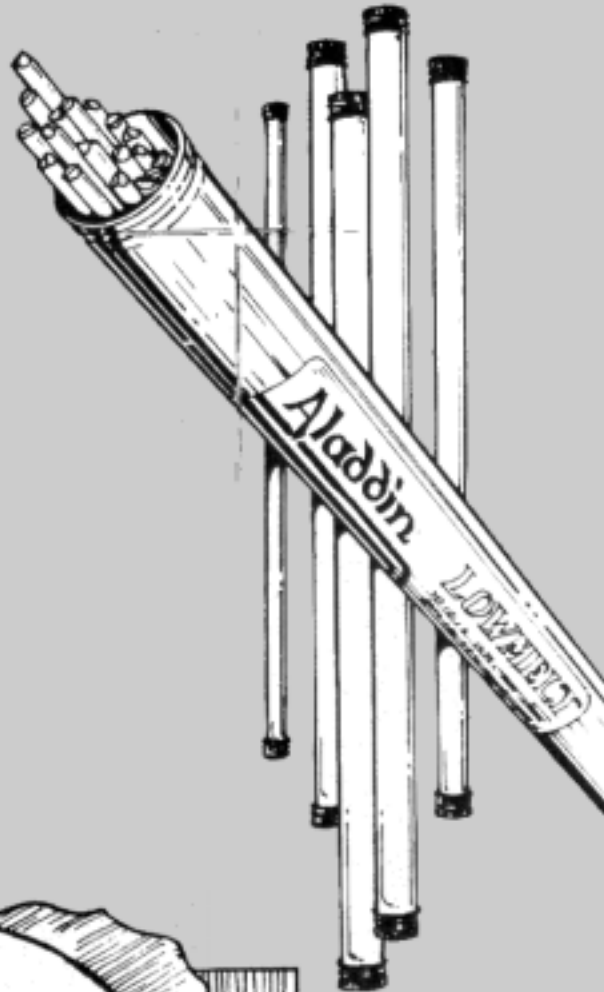
Use with #1 Low Temperature Liquid Soldering Flux to repair pewter.

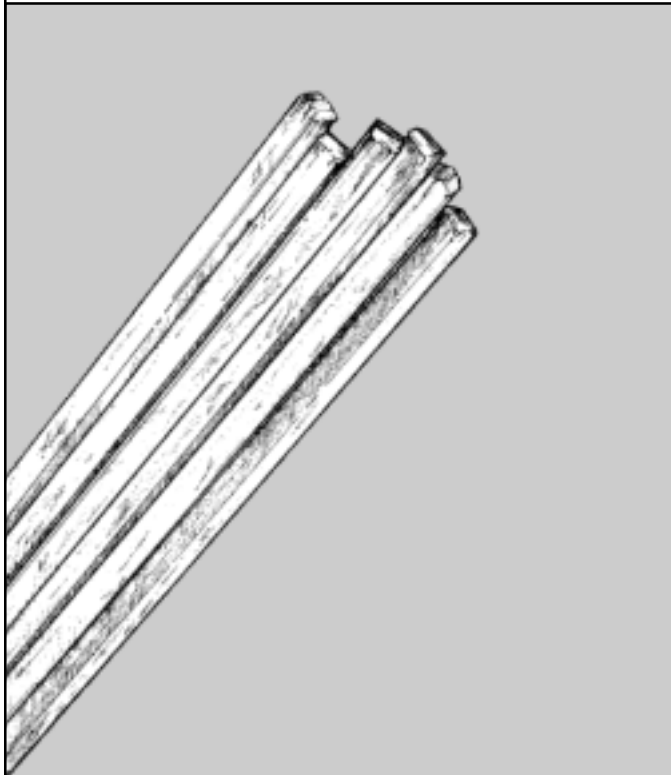
**Meets Mil Spec:** S 12204B, Type II Composition B

**Melting Point:** 585° F

**Use:** Refrigeration work, filling pin holes in aluminum castings as they come from the mold.

Part No.	Description
33-14	1/4" x 18" 1 lb. Tube
33-18	1/8" x 18" 1 lb. Tube





## #82B Galvanizing Bar

30% Tin / 20% Zinc / 50% Lead

A superior-quality alloy for re-galvanizing parts that are damaged by welding. No flux - no sandblasting - no cleaning. Bonds quickly and permanently to most metals. Resists all corrosion and atmospheric conditions, will not peel, burn or chip off.

Heat metal surface; rub Galvanizing Bar on hot metal. Smooth surface with small rag. One bar covers 6 sq. ft. Contains fluxes.

**Meets Mil Spec:** O-G-93

**Working Range:** 350° - 550° F

**Bar Size:** 1/4" x 1/4" x 14" ( Approx. 4 oz. each)

Part No.	Description
82B	Galvanizing Bar

## #160 Sal-Ammoniac Bar

A pure, fine grain ammonium salt pressed into blocks which are used for the easy and effective cleaning and tinning of soldering irons. The Aladdin Sal-Ammoniac Bar cleans soldering iron tips to ensure rapid heat conductivity, reduced residue and give the best solder bonds possible.

Part No.	Description
SAB-1/2	1/2 lb. Bar
SAB-1	1 lb. Bar





A1

## #604 Aluminum Solder

- Solders Aluminum
- Solders Aluminum to Copper
- Solders Aluminum to Brass
- 204° C (400° F) Melting Point

Produces sound joints when used with Aladdin #1 Flux.

**Uses:** Refrigeration and other tight applications with an iron or torch.

### 1 LB. SPOOL

Part No.	Size	Description
604-18	1/8"	Aluminum Solder
604-332	3/32"	Aluminum Solder
604-16	1/16"	Aluminum Solder

Also available in 5 lb. spools

## #604 F.C. Aluminum Solder

### 1 LB. SPOOL

Part No.	Size	Description
604C-18	1/8"	Flux Cored Aluminum Solder
604C-332	3/32"	Flux Cored Aluminum Solder
604C-16	1/16"	Flux Cored Aluminum Solder

Flux Cored Solder is easier to use than applying Flux separately

## #604 Kit

**Kit Includes:** 12 ft. of solder and #1 Flux in dispenser.

## #604 F.C. Kit

**Kit Includes:** 12 ft. of Flux Cored solder.

Part No.	Description
604-K	Aluminum Solder Kit
604C-K	Aluminum Solder Kit cored w/ #1 flux





\*This paste speeds production time by eliminating pre-fluxing. It is pre-placed, flowing when hot, allowing a larger area to be covered in less time, reducing waste.

## #450 Soft Silver Solder

96.5% Tin / 3.5% Silver

A very high-grade soft solder containing SILVER: no lead, zinc or cadmium. Less expensive and easier to apply than silver brazing alloy. Excellent for a variety of metals such as stainless steel, copper, nickel alloys, monel, brass, bronze and other non-ferrous alloys (except aluminum and magnesium).

**Meets Mil Spec:** QQ-S-5710

**Uses:** Ideal for electrical work, utensils, dairy and food equipment. Use with Aladdin #3 Flux for harder to solder metals. Use with Aladdin #2 Flux for copper and brass.

### 1 LB. SPOOLS

Part No.	Size	Description
450-364	3/64"	Soft Silver Solder
450-116	1/16"	Soft Silver Solder
450-332	3/32"	Soft Silver Solder
450-12	1/8"	Soft Silver Solder

## #450 Kit

**Kit Includes:** 12 ft. of #450 Soft Silver Solder and #3 Flux in a handy dispenser.

Part No.	Description
450-K	Soft Silver Solder Kit with #3 Flux

## #450 Soft Silver Solder Paste

The same high-grade soft silver solder powdered to 325 mesh (face-powder fine) which makes for excellent blending and flowability mixed with our #3 Soldering Flux.\* Contains no lead, zinc or cadmium.

**Use:** Electrical work, utensils, dairy and food equipment and air conditioning.

Part No.	Size	Description
450P-2	2 oz.	Soft Silver Solder Paste
450P-14	1/4 lb.	Soft Silver Solder Paste
450P-12	1/2 lb.	Soft Silver Solder Paste
450P-1	1 lb.	Soft Silver Solder Paste
450P-K	1 oz.	Soft Silver Solder Paste



## #1 Low-Temperature Liquid Soldering Flux

A very active amber colour flux that will begin to dissolve aluminum oxides at approximately 375° F. Use with Aladdin #604 Aluminum Solder for soldering aluminum to aluminum and aluminum to copper, brass or stainless steel.

Part No.	Size	Description
1-14	1/2 Pint	#1 Liquid Soldering Flux
1-12	1 Pint	#1 Liquid Soldering Flux
1-1	1 Quart	#1 Liquid Soldering Flux

## #2 Low-Acid All Purpose Flux

Clear liquid flux for all common soldering where tinning is a must; copper, brass and steel.

Part No.	Size	Description
2-12	1/2 Pint	#2 Low-Acid Soldering Flux
2-1	1 Pint	#2 Low-Acid Soldering Flux
2-Q	1 Quart	#2 Low-Acid Soldering Flux
2-G	1 Gallon	#2 Low-Acid Soldering Flux

## #3 Soft Soldering Flux

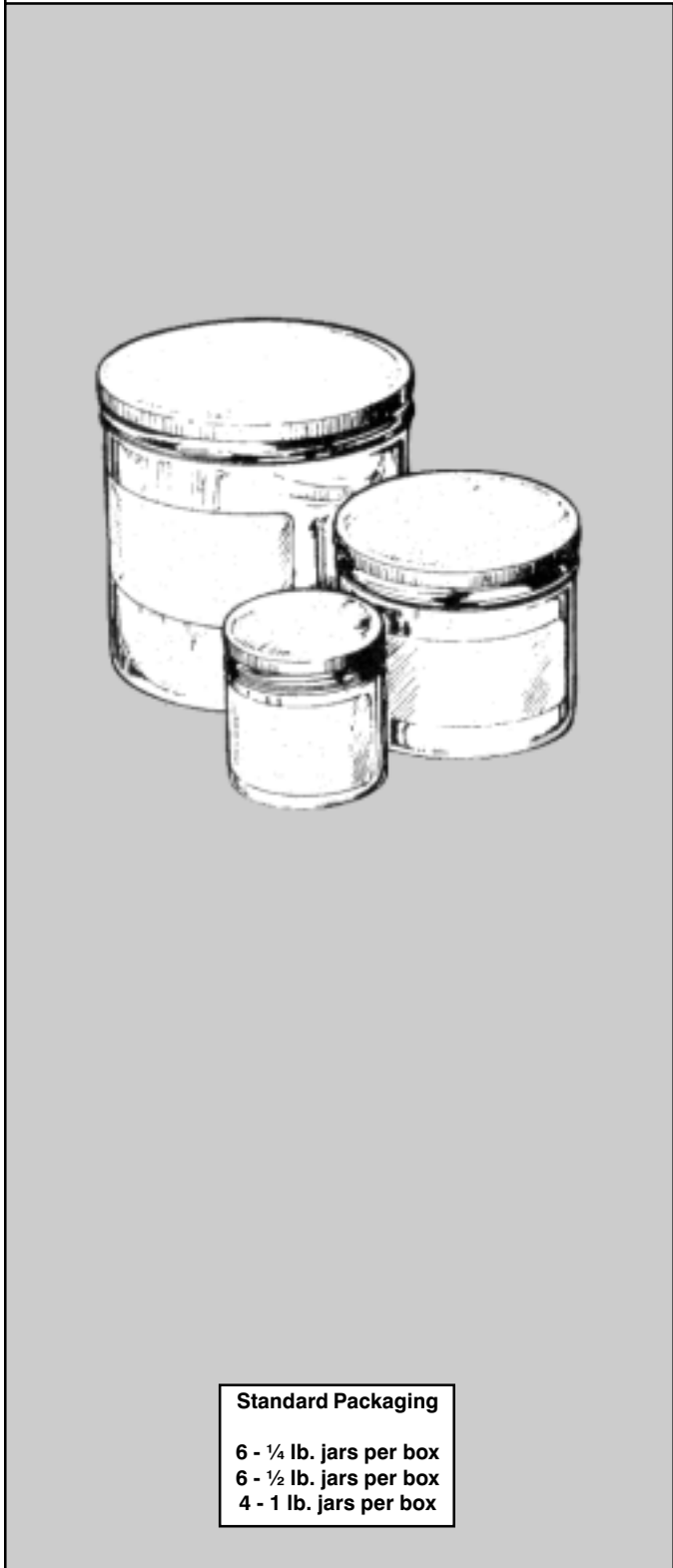
Wine colour Liquid Solder Flux developed for use with #450 Aladdin Soft Silver Solder. Produces sound joint, free of porosity. Excellent for use on stainless steel and other hard to solder metals. Removes oxides and prevents re-oxidation on both the solder and base metal. Low fluxing temperature allows the use of soldering iron or small torch.

For use on food and dairy equipment and for joining copper to stainless or copper to sintered iron and applications where purity is desired. Excellent for air conditioning and refrigerator work.

Part No.	Size	Description
3-12	1/2 Pint	#3 Soft Soldering Flux
3-1	1 Pint	#3 Soft Soldering Flux
3-Q	1 Quart	#3 Soft Soldering Flux
3-G	1 Gallon	#3 Soft Soldering Flux



Standard Packaging:  
6 - 1/2 Pints per box  
6 - Pints per box  
4 - Quarts per box



**Standard Packaging**  
 6 - 1/4 lb. jars per box  
 6 - 1/2 lb. jars per box  
 4 - 1 lb. jars per box

## #71 Aluminum Brazing Flux

The thorough cleaning action of this flux ensures quick melting and spreading of the filler metal. Also prevents formation of oxides at the brazing temperature, thus allowing deep penetration of the rod metal, resulting in a strong smooth joint. Recommended for use with #718 Aluminum Brazing Rods. Melting point is approximately 510° C - 579° C (950° F - 1075° F).

AWS classification 1 type 1. Use dry or make a paste, apply to cleaned metal, apply heat, when flux flows apply brazing rod.

Part No.	Size	Description
71-14	1/4 lb.	Aluminum Brazing Flux
71-12	1/2 lb.	Aluminum Brazing Flux
71-1	1 lb.	Aluminum Brazing Flux

## #73 Aluminum Welding Flux

Use for welding aluminum and alloys. Recommended for use with #4043 Bare Aluminum. This flux produces a strong, non-porous weld by keeping the base metal and rod free of oxides during welding. Mix with water to form a paste and apply to both rod and metal. After welding, remove with warm water. Basically used the same as #71 except that heat is applied to base metal.

Part No.	Size	Description
73-14	1/4 lb.	Aluminum Welding Flux
73-12	1/2 lb.	Aluminum Welding Flux
73-1	1 lb.	Aluminum Welding Flux

## #75 Magnesium Welding Flux

The active fluxing agent removes the oxides and impurities, permitting free flow of the filler metal. Mix with water to form a paste and apply to both rod and base metal. After welding, remove residue with warm water.

Part No.	Size	Description
75-14	1/4 lb.	Magnesium Welding Flux
75-12	1/2 lb.	Magnesium Welding Flux
75-1	1 lb.	Magnesium Welding Flux

# Aladdin

Welding Products

## FLUX

### #585 Super Soldering Flux

A paste soldering flux used for high temperature soldering of aluminum and zinc die cast alloy. Used with Aladdin #33 Low Melt Aluminum Solder to join aluminum to copper, steel, brass, galvanized metal, stainless steel and monel metals. Also recommended for use with 50/50 tin-lead and 95/5 zinc-aluminum solder. Produces especially tight joints when soldering copper to aluminum.

Part No.	Size	Description
585-12	1/2 lb.	Super Soldering Flux

### #96 Silver Brazing Flux

A superior general all purpose silver brazing flux for all silver alloys, with excellent creep and flowability. Designed for use with copper, brass, bronze, cast iron, monel, nickel, refractories, steel and stainless steel applications. Commonly used in torch, furnace and induction applications. Residue easily removed with water while the joint is hot.

Part No.	Size	Description
96-14	1/4 lb.	Silver Brazing Flux
96-12	1/2 lb.	Silver Brazing Flux
96-1	1 lb.	Silver Brazing Flux

### #255 Non-Corrosive Soldering Paste

Always sure and ready to use. Cleans as it fluxes. Excellent all purpose non-corrosive soldering paste flux (petroleum base).

Part No.	Size	Description
255-2	2 oz.	Non-Corrosive Solder Paste
255-4	4 oz.	Non-Corrosive Solder Paste
255-1	1 lb.	Non-Corrosive Solder Paste

### #621 Solder Salts

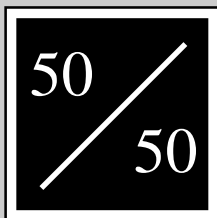
Excellent brazing flux in crystalline form. Concentrated dry flux blend. Just add water to make your own brazing flux. Widely used in radiator repair. Can be used on most metals.

Part No.	Size	Description
621	1 lb.	Solder Salts

← Flammable Liquid / Corrosive Liquid N.O.S.  
Propyl Alcohol and Zinc Chloride  
UN 2924







## #50 - 50/50 Paste Solder

The right combination of solder and flux for the best soldering results. Standard mix 50/50 - 325 mesh solder. Other alloys available. Excellent for all automatic soldering operations.

For sweat soldering apply paste liberally to general area. Join surfaces and heat by torch. **DO NOT APPLY FLAME DIRECTLY TO PASTE.** Wipe residue with a damp cloth after bubbling has stopped. The basic idea behind sweat soldering is to heat the surrounding metal which in turn melts the paste which then activates the flux and the metal.



Part No.	Size	Description
50-2	2 oz.	50/50 Paste Solder
50-14	1/4 lb.	50/50 Paste Solder
50-12	1/2 lb.	50/50 Paste Solder
50-1	1 lb.	50/50 Paste Solder

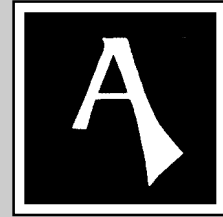
## #54 Tinning Compound

Perfect for preparing surfaces for soldering. For tinning inside of containers and tanks (dairies, laundries, food vats). Can be used on steel, brass, copper, cast iron, malleable iron and stainless steel. Removes paint, rust, grease and oxides, and tins the metal - all in one operation. No acids needed; grinding of surfaces unnecessary.



Apply paste to surface to be tinned. Heat adjacent metal with soldering iron or torch. When the tinning compound flows, brush or wipe off excess.

Part No.	Size	Description
54-2	2 oz.	Tinning Compound
54-14	1/4 lb.	Tinning Compound
54-12	1/2 lb.	Tinning Compound
54-1	1 lb.	Tinning Compound



## #993 Aluminum Repair Centre

(Point-of-Purchase Display Header)

**Be sure that your customers know what Aladdin Aluminum Repair Products are and how to use them**

This attractive white, red and black display header can be used on any wall or rack - it's designed to be used with standard peg board hardware, but it can be just as easily mounted to any vertical surface. It's made of sturdy, washable plastic (no harsh solvents) that looks good in any showroom. It's certain to draw your customers' attention - many of whom don't even know that Aluminum can be so easily repaired !

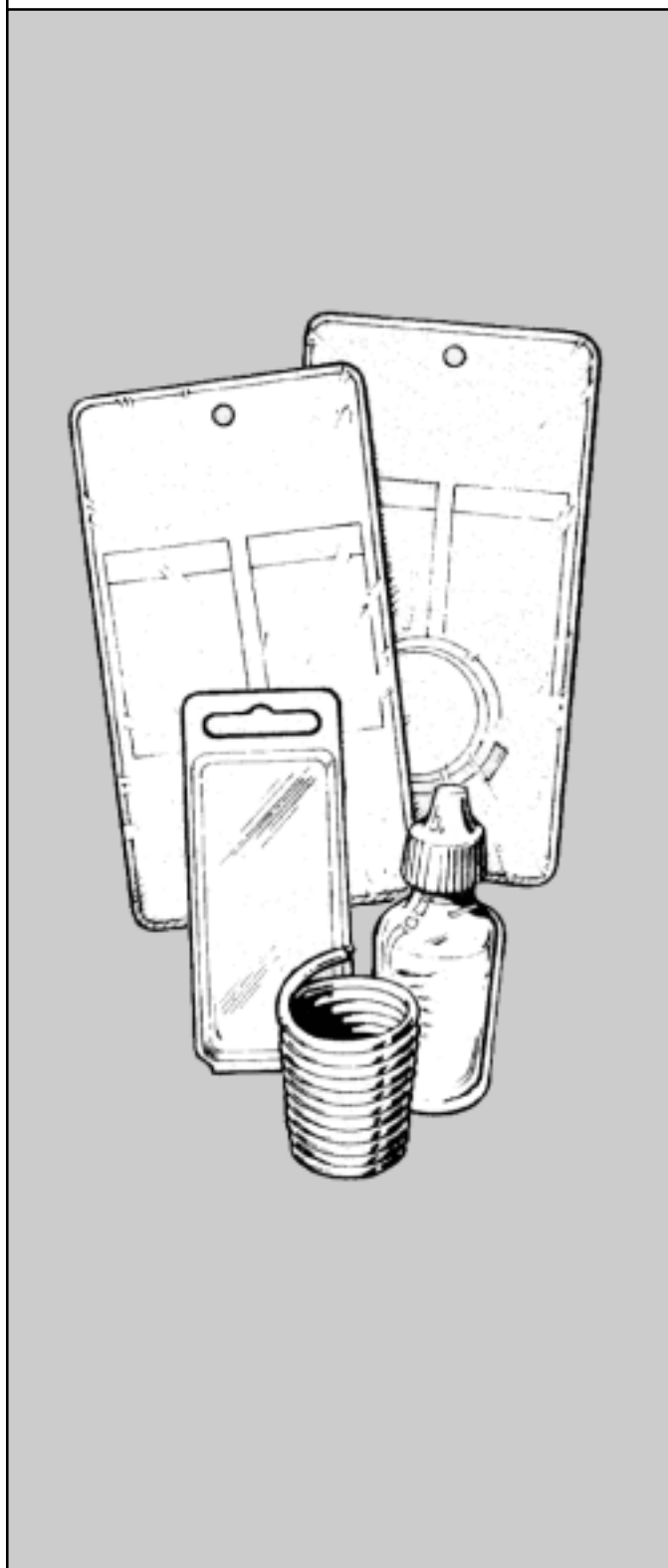
The pocket mounted on the header holds fifteen of our very successful "White Metal Hand Books". These handy booklets contain step by step instructions on the selection and use of Aladdin's products for welding, brazing and soldering aluminum and zinc-base metals, including special tips from the experts. By helping the customer with this useful information, you will move more product.

<b>Products:</b>	6 ea	1/8" x 1 lb. tube #31 Aladdin 3-in-1 Rod
	6 ea	1/8" x 1 lb. tube #33 Aladdin Low Melt Aluminum Solder
	6 ea	1/2 lb. jar #585 Super Soldering Flux
	6 ea	#604 Aluminum Solder Kit
	1 ea	"POP" Header w/White Metal Handbooks

**Additional Handbooks available at no charge !**

Part No.	Description
993	Point of Purchase Display Pack





## #51 Aluminum Brazing Kit

NO FLUX REQUIRED for ...  
BRAZING Aluminum  
WELDING Zinc-base metals

**Kit Includes:** 1/2 lb. 1/8" #31 Aladdin 3-in-1 Rod with #48 Stainless Steel Tinning Brush

Part No.	Description
51-K	Aluminum Brazing Kit

## #604 Aluminum Solder Kit

**Kit Includes:** 12 ft. 1/16" #604 Solder and #1 flux in handy dispenser.

Part No.	Description
604-K	Aluminum Solder Kit

## #604 F.C. Kit

**Kit Includes:** 12 ft. 1/16" #604 Flux Cored solder.

Part No.	Description
604C-K	Aluminum Solder Kit cored w/ #1 flux

## #450 Soft Silver Solder Kit

**Kit Includes:** 12 ft. 1/16" #450 Soft Silver Solder and #3 Flux in a handy dispenser.

Part No.	Description
450-K	Soft Silver Solder Kit with #3 Flux

## "New Kits on the Block"

Great for small home repair jobs

- #555 Kit Includes:** 1 oz. #555 Lead Free Solder Paste
- #33/585 Kit Includes:** 1oz. #585 Flux and 8" #33 Low-Melt Aluminum Solder
- #450 Kit Includes:** 1 oz. #450 Silver Solder Paste

Part No.	Description
555-K	Lead Free Solder Paste Kit
33-585K	Aluminum Solder Kit
450P-K	Silver Solder Paste

# Aladdin

Welding Products

**LEAD  
FREE**

## #505 Lead-Free Easy Flowing Plumbing Solder

97% Tin / 3% Copper

Greater tensile strength than 50/50 or 95/5. Use with #2 Low Acid All Purpose Flux for all common soldering. Always use lead free solder for home plumbing repairs! Use with #3 Soft Soldering Flux for stainless steel.

**Melting Temperature:** Approximately 420° F.

**Sizes:** 1/8", 3/32"

Part No.	Description
505-18-1	1/8" 1 lb. Spool
505-332-1	3/32" 1 lb. Spool

Also available in 5 lb. spools, 5 oz. meter bar or 1 1/4 castbar.

## 95/5 Tin-Antimony Lead-Free Solder

Designed for use in electrical or electronic connections subject to peak temperatures of approximately 400° F and in sweating copper tube joints in refrigeration and air conditioning equipment where pressures up to 500 lbs. are encountered.

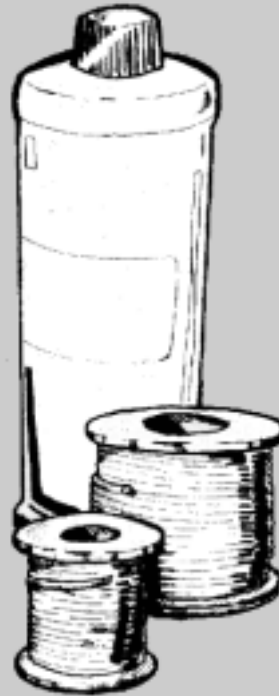
Use for joints on copper, electrical, plumbing and heating.

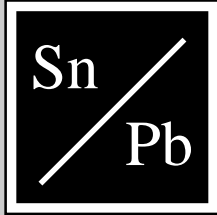
Useful for applications where moderately elevated temperature is a factor. It has a higher electrical conductivity and is recommended where lead contamination must be avoided. Not recommended for use on brass.

**Working Range:** 459° - 468° F

**Sizes:** 1/8", 1/16", 3/32"

Part No.	Description
955-18-1	1/8" 1 lb. Spool
955-16-1	1/16" 1 lb. Spool
955-332-1	3/32" 1 lb. Spool





## Tin / Lead Solders • Wire - Bar - Paste

Solder is specified by percentage weight of alloy. With tin-lead solders, the tin content in the solder is always listed first; lead content second. The higher the tin content, the better the joint.

*ALL SOLDERS Q-P-L APPROVED*

Solid Wire Solder - for use when the application calls for solder and a separate flux. Produced by extrusion in tin / lead alloys and lead free alloys.

Bar Solder - particularly adapted to automotive, sheet metal and plumbing industry.

Acid and Resin Core Solder - purest acid makes up the flux core of our acid core solder designed particularly for the automotive radiator industry.

Our resin core solder is designed to comply with the demanding specifications in the electronic industry.

**Meets Mil Spec:** QQ-S-571E

**Sizes:** 1 lb Spool, 5 lb. Spool, 25 lb. Spool

Meter Bar = 1/4" x 1/4" x 13.5" (approx. 5 oz.)

Cast Bar = 1/2" x 3/4" x 13.5" (approx. 1 1/4 lb. Bar)

		Spooled Diameters					Bars	
		1/8	3/32	1/16	3/64	1/32	1/2#	1 1/4#
50/50	Solid	•	•	•	•	•	•	•
	Resin	•	•	•	•	•		
	Acid	•	•	•	•	•		
40/60	Solid	•	•	•	•	•	•	•
	Resin	•	•	•	•	•		
	Acid	•	•	•	•	•		
60/40	Solid	•	•	•	•	•	•	•
	Resin	•	•	•	•	•		
	Acid	•	•	•	•	•		
30/70	Solid	•	•	•	•		•	•
	Resin	•	•	•	•			
	Acid	•	•	•	•			
35-65	Solid	•	•	•	•		•	•
	Resin	•	•	•	•			
	Acid	•	•	•	•			
63/37	Solid	•	•	•	•		•	•
	Resin	•	•	•	•			
	Acid	•	•	•	•			
95/5	Solid	•	•	•			•	•
	Resin							
	Acid							

**FOR FURTHER INFORMATION**

**CALL TOLL FREE**

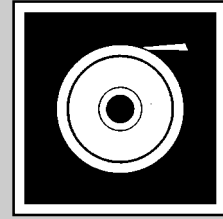
**1-800-265-5678**

**FAX TOLL FREE**

**1-800-668-3626**

# Aladdin

Welding Products



## #650 "Solder-Wick"

State of the art performance for de-soldering applications. Just place hot soldering iron tip on the top of the braid. Through capillary action, removal begins instantly as the solder liquefies, creating less danger of heat damaging circuit boards or surrounding components. Made with ultra-pure oxygen free copper wire in a unique open weave of geometric patterns that hold more solder than conventional braids. De-solders quickly, cleanly and safely, dissipating heat faster, providing quicker wetting.

**Meet Mil Spec:** MIL-F-1425 6E, Type R and Type RMA

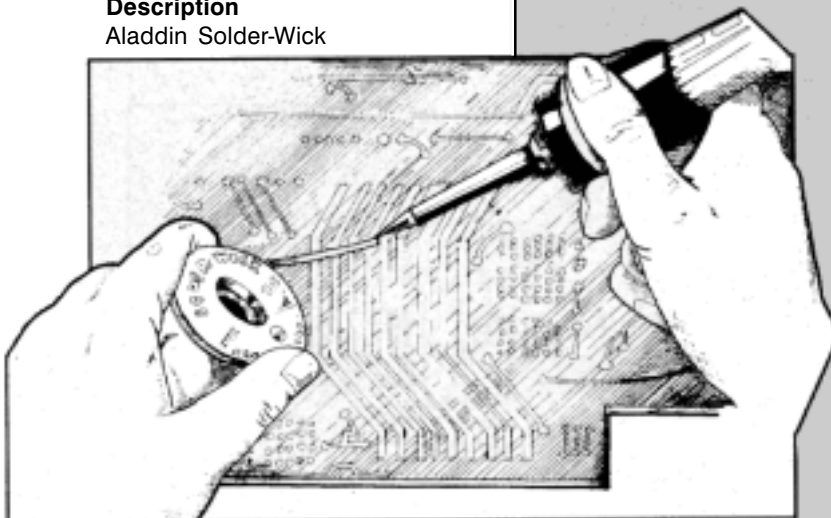
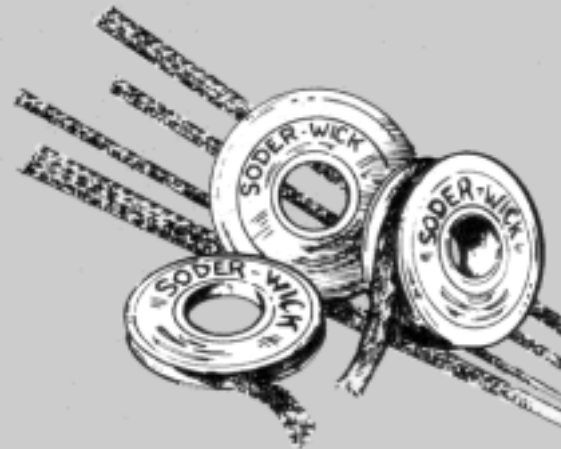
- Removes shorts caused by solder bridges
- Corrects poor solder connections
- Cleans excess solder on script to improve PC board identification
- Removes solder from flat surfaces.

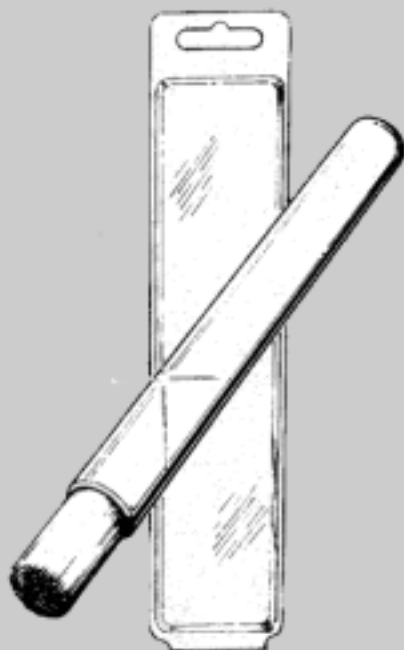
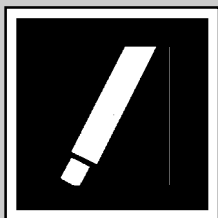
### Sizes Available - Lengths 5', 10', 25', 50', 100', 500'

Colour	Size (Width)	Application
Gold	#00 (.022")	SMT
Gold	#01 (.045")	SMT
Gold	#02 (.055")	SMT
White	#1 (.030")	Micro Circuit
Yellow	#2 (.055")	Small Pads
Green	#3 (.080")	Medium Pads
Blue	#4 (.110")	Large Pads
Brown	#5 (.145")	Terminals
Red	#6 (.210")	Large Lugs & Wire Connectors

**Part No.**  
650

**Description**  
Aladdin Solder-Wick





### #37 Fibreglass Brush

5 1/2" x 5/8"

Fine grade fibreglass strands coated with plastic. A gentle brushing action cleans and polishes a variety of surfaces, metallic and non-metallic, without scratching. Perfect for cleaning printed circuit boards, precious metal surfaces, electrical contacts, solder joints, motor commutators, etc. May be used to clean and polish plastic molds.

Also used for removing epoxy, epoxy adhesives, rust, paint, oxidation, corrosion, and for preparing metals for heliarc welding.

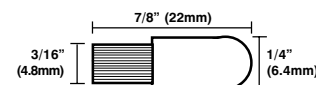
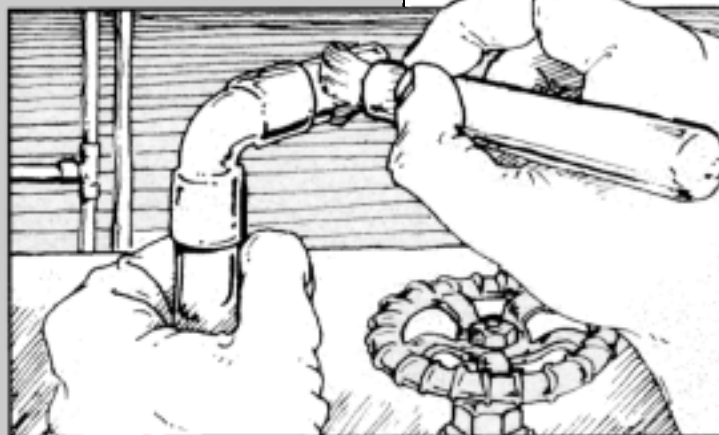
Protective covering is cut back as brush wears enabling entire brush length to be used.

### #38 "Little Braser" Fibreglass Brush (Fine Grade)

Economical cleaners provide an inexpensive alternative to the #37 Fibreglass Brush, above.

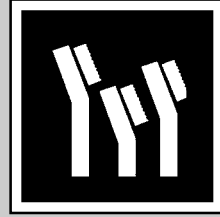
The "Little Braser" Fibreglass Brush is ideal for inclusion in tool and repair kits. Also useful for inclusion with O.E.M. equipment to aid set up, repair and service. Clean component leads, plastic molds, gold edge connectors; remove printing, markings and paint. 10 to a box.

Part No.	Description
A37	Brush
A38	Brush



# Aladdin

Welding Products



## #45 Acid Brush

5 3/4" x 1/2"

100% black horsehair. General purpose brush. Flat face tin ferrule handle. 1 gross per box or by the dozen.

## #46 "Scratcher" Whisk Brush

5 1/2" x 1 1/4" (Brush face width)

General purpose brush for cleaning and removing chips, solder, etc. 1 dozen per box.

## #47 "Big Boy" Stainless Steel Tinning Brush

14" x 1" Heavy duty.

Excellent industrial tool for general cleaning purposes.

## #48 "Mini" Stainless Steel Tinning Brush

7 3/4" x 1/2" Bent handle.

Frequently used in the aircraft and missile industries for aluminum welding. Available in individual packages or in bulk lots of 100.

## #49 "Knuckle-Saver" Stainless Steel Tinning Brush

8 5/8" x 1/2" Bent Handle.

Great in-between size for easy tinning of aluminum. Slanting angle handle to save your knuckles.

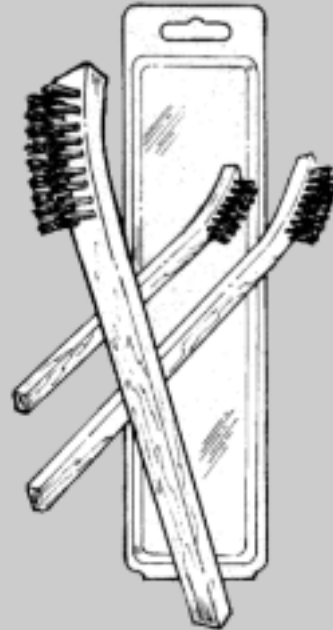
Perfect for tinning the surface when using Aladdin 3-in-1 Rod. Available in individual packages or bulk lots of 100.

### Part No.

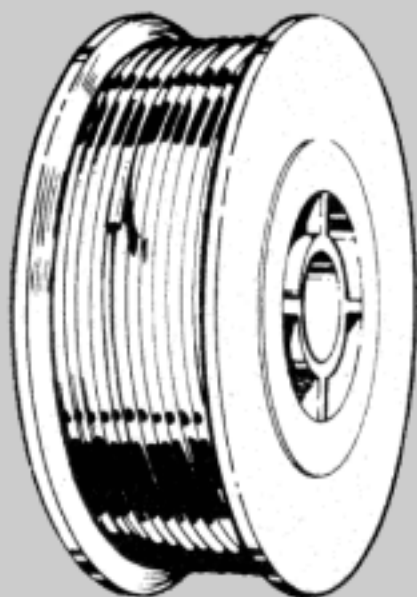
A45  
A46  
A47  
A48  
A49

### Description

Acid Brush  
Whisk Brush  
Tinning Brush  
Tinning Brush  
Tinning Brush







## Magnesium

WELDS and MACHINES easily; weld strengths are up to 95% of the strength of parent metal; results in strong, sound welds with minimum porosity and rejects. Resists corrosion and chemical attack.

Excellent electrical conductivity per unit weight. 36% lighter than aluminum, 73% lighter than zinc and 77% lighter than steel.

**Meets Mil Spec:** R-6944

### Alloys:

AZ61A Alloy for all common welding of magnesium; structural shapes, sheet and castings, shipping dock boards, motor housings, etc.

**Melting Temperature:** 1140° F

AZ92A Alloy for welding of aircraft parts, exotic magnesium metals, etc.

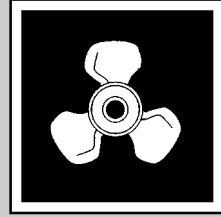
**Melting Range:** 830° - 1110° F

### MAGNESIUM CUT LENGTHS 1 LB. SIZE

Part No.	Size	Length
AZ61A-16	1/16"	36"
AZ61A-332	3/32"	36"
AZ61A-18	1/8"	36"
AZ61A-532	5/32"	36"
AZ61A-316	3/16"	36"
AZ92A-16	1/16"	36"
AZ92A-332	3/32"	36"
AZ92A-18	1/8"	36"
AZ92A-532	5/32"	36"
AZ92A-316	3/16"	36"

### MAGNESIUM SPOOLED WIRE

Part No.	Size	Spool Weight
AZ61A-364-10	3/64"	10 lb.
AZ61A-364-12	3/64"	12 oz.
AZ61A-16-10	1/16"	10 lb.
AZ61A-16-12	1/16"	12 oz.
AZ92A-16-10	1/16"	10 lb.



## Propeller Repair Materials

**#4043 and #5356**

**#4047 (718) Bare Aluminum**

**Meets Mil Spec:** QQ-R-566

**Melting Temperature:** 1060° - 1175° F

**AWS Classification:** A5.10

**1 lb. Spool:** .030", .035", .045"

**36" Cut Lengths:** 3/32" dia., 1/8" dia.

## ALB II (Aluminum/Bronze Rod NIBRAL Rod)

Light but strong. Corrosion resistant to air, water, chemicals and oil. For nibral repairs. For joining aluminum, bronze, copper-zinc alloys, copper-nickel alloys, silicon bronzes to themselves or to dissimilar metals except "white metals". High strength, good wear and corrosion resistance.

**Mil Spec:** QQR-571

**Melting Temperature:** 1915° F

**Diameters:** 3/32" x 36", 1/8" x 36"

**AWS Spec:** A5.7

## 17-4 Ph (Stainless Steel Rod)

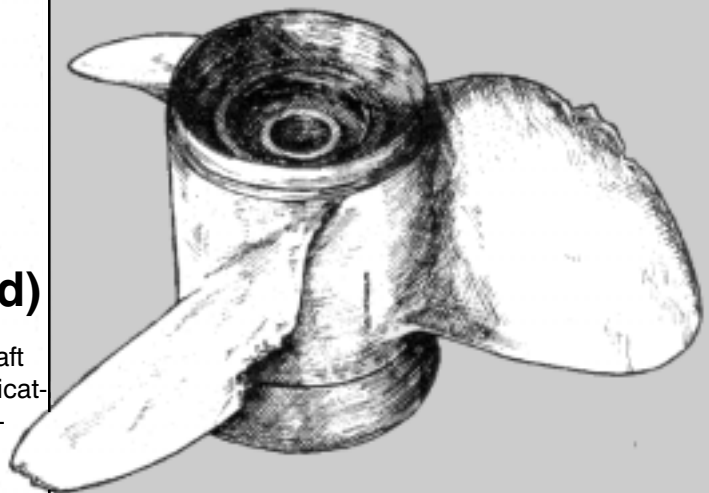
Also used for chemical processing equipment, aircraft components, continuous extrusion equipment, duplicating machine components, pressure vessels and diaphragm assemblies.

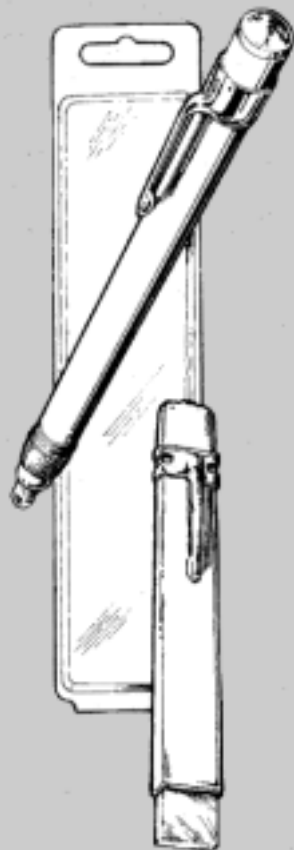
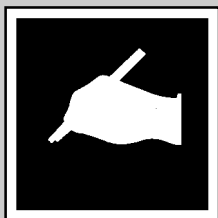
**Working Range:** 2300° - 2400° F

**Diameters:** 3/32" x 36", 1/8" x 36"

**AWS Spec:** 5.9 - 93

**CALL TOLL FREE 1-800-265-5678 FOR  
MORE INFORMATION**





### #402 Soapstone Pencil

- Easily adjustable
- Non-slipping
- Non-shaving
- Sharpens in pencil sharpener
- Pocket clip included
- Stays clean; acid and grease resistant
- Refills available
- Standard 1/4" round soapstone

### #403 "Little Peeler"

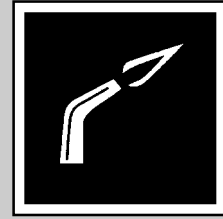
- Plastic-coated flat soapstone
- Eliminates breakage
- Clean and easy to handle
- Pocket clip included
- Eliminates metal holders
- Peel off plastic coating as soapstone wears down
- Available in several colours
- Can be imprinted with your company name

Part No.	Description
SH-402	Soapstone Pencil
SH-403	Soapstone "Peeler"



# Aladdin

Welding Products



## ST-1988 "Little Gemini" Artorch

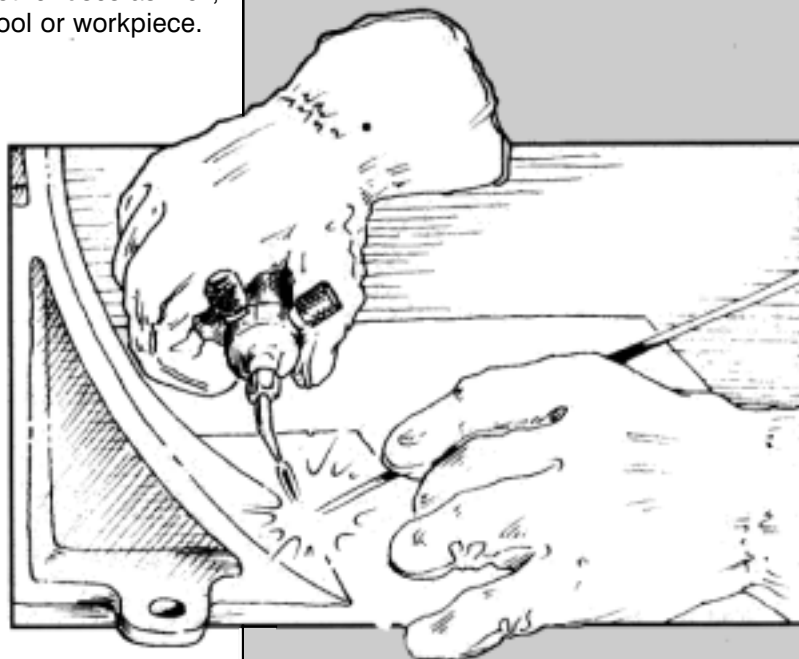
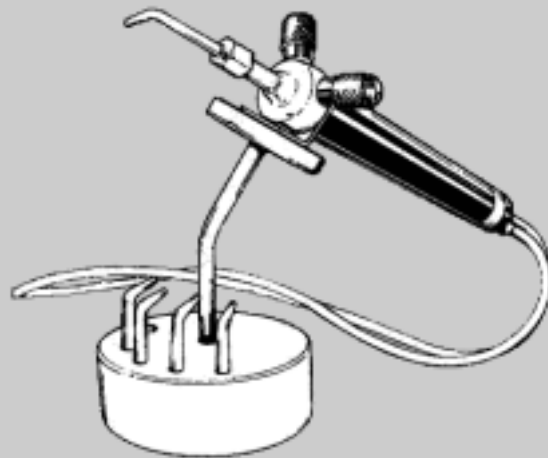
Industrial-quality, precision miniature welding torch. Use for light industrial manufacturing, electronics, technical detailing, automotive repair, jewellery and scientific applications. Complete package includes 5 tips and 6' each of oxygen and acetylene hose. Ready to hook up to standard fittings and regulators.

Replacement tips, hoses, regulators, etc. available. Call for information.

## ST-1988-20 Magnetic Torch Stand

This handy stand for the Aladdin "Little Gemini" Artorch has a heavy composite base with a no-skid pad to stay put on your work surface. It's the only torch stand with an array of holes to store tips for your torch right where you need them. A metal clip mounts on the torch, and the powerful magnet atop the stand holds the torch firmly in place without having to position it precisely; this adds speed and convenience to your critical torch uses. The stand may be applied to other uses as well, to hold any magnetically attractive tool or workpiece.

Part No.	Description
ST-1988	Complete Kit
ST-1988-1	6' Oxygen or Acetylene Hose
ST-1988-2	6' Dual Hose
ST-1988-3	12' Oxygen or Acetylene Hose
ST-1988-4	12' Dual Hose
ST-1988-11	Tip Size #1
ST-1988-12	Tip Size #2
ST-1988-13	Tip Size #3
ST-1988-14	Tip Size #4
ST-1988-15	Tip Size #5
ST-1988-16	Tip Size #6
ST-1988-20	Magnetic Stand



New  
Product

**Aladdin**  
Welding Products

**New Product  
From...**

**Aladdin**

## E4040 Aluminum Electrode

Aladdin's new E4040 is a silicon based aluminum electrode which will produce strong welds, free of porosity and without excessive spatter or fuming. Weld deposit tensile strengths up to 34,000 PSI are obtainable.

Aladdin E4040 is recommended for use on Aluminum sheet metal, plates and castings for repairing cracks, building up missing material, cladding and reinforcing.

Available in 1/8" x 14" long rods, in one or five pound boxes.

Part No.	Description
E4040	Aluminum Electrode

### APPLICATIONS

- Railings
- Tanks
- Pipes
- Heavy Equipment
- Automotive
- Industrial Machinery
- Sheets, Plates, Castings and extrusions

### SPECIFICATIONS

**Tensile Strength:** Up to 34,000 PSI  
**Colour Match:** Good  
**Electrical Conductivity:** Good  
**Corrosion Resistance:** Good

### RECOMMENDED AMPERAGES

(D.C. Reverse Polarity)  
 3/32" - 50-80 amps  
 1/8" - 80-130 amps  
 5/32" - 100-160 amps





**FREE  
Guides**

## Soldering and Brazing Handbook and White Metal Handbook

### SOLDERING AND BRAZING HANDBOOK

Complete detailed information on the fundamentals of soldering and brazing procedures

- Solder & Flux Selection Tables
- Helpful Hints & Illustrations
- Glossary
- Troubleshooting Guide

... All information necessary to produce a sound soldered /brazed joint

### WHITE METAL HANDBOOK

Contains detailed and illustrated step-by-step instructions for...

- Brazing and Soldering Aluminum
- Welding Zinc-base Metals
- Aluminum to Copper and Brass
- Silver Solder

... and plenty of "Quick Tips"!

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